## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

## REVOCATION AND NEW POWER OF ATTORNEY

Under 37 CFR §3.73(b) Google Inc., a Delaware corporation, certifies that it is the assignee of 100% of the right, title and interest in the patent applications listed on the attached Appendix by virtue of assignments, including assignments from inventors of the patent applications. The assignments for these patent applications were recorded in the Patent and Trademark Office on the Real and Frame numbers provided in the Appendix.

The undersigned, acting on behalf of the assignce, is empowered to act on behalf of the assignce and hereby revokes all powers of attorney previously granted in the applications and appoints the practitioners associated with:

PTO Customer Number: 26192

with full power of substitution and revocation, to prosecute the application and to transact all business in the United States Patent and Trademark Office connected therewith.

All correspondence regarding the application should be sent to:

## PTO Customer Number: 26192

Direct all telephone calls to Hans R. Troesch, Reg. No. 36,950, at telephone number (650) 839-5070.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States

Code and that such willful false statements may jeopardize the validity of the application or any patents issued thereon.

Respectfully submitted,

Date: MOU 7, 1008

Title: ASSISTANT SECRETURA Google Inc.

jung-hua apps - poa.doc

Attorney's Docket No.: 16113-001001 Pages 3 of 3

TABLE 1

Attorney	Application Serial No.	Recordation Date Reel/Frame
Docket No.		•
16113-0980001 /	10/750,033	Recorded 11/23/2007; Reel/Frame 015406 / 0431
GP-156-00-US	(Patent No. 7,278,273)	
16113-1016001 /	11/122,873	Recorded 05/04/2005; Reel/Frame 016540 / 0949
GP-491-00-US		
16113-1300001 / GP-015-03-US	10/676,724	Recorded <u>09/20/2004</u> ; Reel/Frame <u>015150 / 0647</u>
16113-1302001 /	10/647,053	Recorded <u>07/26/2005</u> ; Reel/Frame <u>016575</u> / 0234
GP-110-00-US	10/047,003	Recorded <u>07/20/2005, Reel/Plaine 0105/57 0254</u>
16113-1303001/	10/749,730	Recorded 12/20/2004; Reel/Frame 015479 / 0792
GP-110-10-US	,	
16113-1305001 /	10/611,681	Recorded 07/26/2005; Reel/Frame 016576 / 0204
GP-117-02-US		
16113-1309001 /	10/676,822	Recorded <u>04/26/2005</u> ; Reel/Frame <u>016171 / 0562</u>
GP-144-01-US		
16113-1310001 / GP-144-02-US	10/676,821	Recorded <u>04/27/2005</u> ; Reel/Frame <u>016173 / 0941</u>
16113-1311001 /	10/675,238	Recorded 12/13/2004; Reel/Frame 015453 / 0571
GP-144-03-US	10/073,238	Necorded 12/13/2004, Neel/Frame 0134337 0371
16113-1312001 /	10/676,813	Recorded 04/27/2005; Reel/Frame 016173 / 0933
GP-144-04-US		
16113-1313001 /	10/675,233	Recorded <u>04/27/2005</u> ; Reel/Frame <u>016173 / 0936</u>
GP-144-05-US		
16113-1315001 /	10/675,239	Recorded <u>09/29/2004</u> ; Reel/Frame <u>015198 / 0332</u>
GP-144-07-US	40/676 040	D
16113-1316001 / GP-144-08-US	10/676,840	Recorded 09/29/2004; Reel/Frame 015197 / 0956
16113-1317001 /	10/750,183	Recorded 02/14/2005; Reel/Frame 015713 / 0424
GP-178-00-US	10,100,100	1.000.000 <u>02.1 1/2000</u> , 1.001.1 10.110 <u>0301.101 042.4</u>
16113-1318001 /	10/750,180	Recorded 09/08/2004; Reel/Frame 015114 / 0581
GP-179-00-US	·	
16113-1320001 /	10/816,593	Recorded <u>04/27/2005</u> ; Reel/Frame <u>016174 / 0088</u>
GP-228-00-US		
16113-1323001 /	10/816,594	Recorded <u>07/19/2005</u> ; Reel/Frame <u>016546 / 0268</u>
GP-270-00-US 16113-1325001 /	11/011,727	Recorded 12/14/2004; Reel/Frame 016090 / 0584
GP-322-00-US	11/011,727	Necorded 12/14/2004, Neel/Frame 0/10090 / 0584
16113-1326001 /	10/958,940	Recorded 10/04/2004; Reel/Frame 015874 / 0832
GP-322-01-US		1002
16113-1328001 /	11/015,980	Recorded 12/17/2004; Reel/Frame 016121 / 0605
GP-322-03-US		
16113-1329001 /	10/875,449	Recorded <u>05/10/2005</u> ; Reel/Frame <u>016210 / 0075</u>
GP-327-00-US	44/704 000	
16113-1338001 /	11/724,600	Recorded <u>08/22/2007</u> ; Reel/Frame <u>019735 / 0765</u>
GP-798-00-US		